

ABSTRACT

An adapter is disclosed for cooperatively engaging a plunger tip and a plunger rod for forcing molten metal from a shot sleeve into a die of a die-casting apparatus. The adapter includes a distal end adapted to cooperatively engage the plunger tip, an opposite proximal end adapted to cooperatively engage the plunger rod, and a length between the distal end and the proximal end. The adapter has at least one passage extending from the proximal end to the distal end to permit the flow of coolant there through. The adapter is formed of a beryllium-copper alloy to facilitate the transfer of heat from the plunger tip to the coolant passing through the passage of the adapter.